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**>Title:** EP0437757B1: Device for monitoring the passage of individuals i  
[\[German\]](#)[\[French\]](#)

**Derwent Title:** Corridor monitor recording movement of people - has distributed sensors and authorisation checking controls supplying signals to evaluating and control unit [\[Derwent Record\]](#)

**Country:** EP European Patent Office (EPO)

**Kind:** B1 Patent (See also: EP0437757A2, EP0437757A3 )



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 Schorn, Josef;

**Assignee:** GALLENSCHÜTZ METALLBAU GmbH  
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**Published / Filed:** 1994-04-27 / 1990-12-17

**Application Number:** EP1990000124363

**IPC Code:** G07C 9/00;

**Priority Number:** 1990-01-17 [DE1990004001219](#)

**Abstract:** [From equivalent EP0437757A2] In the device for monitoring a corridor (1), the corridor (1) is provided, for the purpose of establishing the number and the direction of passage of the individual persons or objects passing along the corridor (1), with a plurality of sensors and authorisation monitoring devices (21, 22), whose signals are detected by an evaluation and security unit, and fed to a control device. In order to avoid erroneous signals, and so that the monitoring device can manage with only one scanning device (13) and with a relatively simple evaluation electronics system operating with a higher reliability, there is arranged in each case in the direction of passage (arrow 35) in front of and behind a scanning zone (Z2), which is defined by two horizontal light barriers (LS1, LS2) and has a passive IR sensor (14), an optical scanner (LT1, LT2) whose signals are used to determine the direction of passage, to activate the scanning device (13), and together with the signals of the scanning device (13) to generate an activating or recording or clearance signal or an alarm or error signal. Moreover, a time control device is provided which checks the temporal sequence of the various signals and, if required, maintains the clearance of the corridor (1) or effects its closure.

**Attorney, Agent or Firm:** Neymeyer, Franz, Dipl.-Ing. (FH) ;

**INPADOC Legal Status:** [Show legal status actions](#) **Get Now: Family Legal Status Report**

**Designated Country:** AT CH FR GB LI NL

**Family:** [PDF](#) [Publication](#) [Pub. Date](#) [Filed](#) [Title](#)

<input checked="" type="checkbox"/> EP0437757B1	1994-04-27	1990-12-17	Device for monitoring the passage of individuals in a corridor
<input checked="" type="checkbox"/> EP0437757A3	1991-12-18	1990-12-17	Device for monitoring the passage of individuals in a corridor
<input checked="" type="checkbox"/> EP0437757A2	1991-07-24	1990-12-17	Device for monitoring the passage of individuals in a corridor
<input checked="" type="checkbox"/> DE4001219C1	1991-04-25	1990-01-17	Ueberwachungsvorrichtung fuer einer Personenkorridor
<input checked="" type="checkbox"/> AT0105091E	1994-05-15	1990-12-17	UEBERWACHUNGSVORRICHTUNG PERSONENKORRIDOR.
5 family members shown above			

First Claim:  
[Show all claims](#)

1. Device for monitoring a corridor (1) for the purpose of establishing the number and direction of persons or objects passing through said corridor with several sensors, such as light barriers (LS1, LS2) and/or IR sensors (LT1, LT2) arranged in the corridor (1) to generate sensor fields, and with authorisation control devices, e.g. identity card readers (21, 22), arranged at the access ends of the corridor, the signals from which are collected by an analyser and control unit (27) and passed to a recording control device as recorded or disabling signals, characterised in that in the direction of passage (35) in front of and behind a single scanner (13), in particular in the form of a passive IR sensor (14), which is arranged spatially in the centre of the ceiling to generate person-specific signals (15, 16, 17), horizontal light barriers (LS1, LS2) defining a scanning zone (Z2) are arranged, the signals from which are used to determine the direction of passage (arrow 35), to activate the scanner (13) and, jointly with specific signals from said scanner (13), to generate the recorded signal (25) or disabling signal (26); and that said analyser and control unit (27) is provided with time control devices (T1, T2, T3) to monitor time spans, within which the signals from said light barriers (LS1, LS2) and scanner (13) must be generated during a passage in order to maintain clearance and to prevent blocking of the corridor (1).

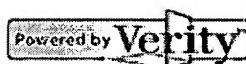
[German] [French]

Description  
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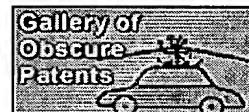
[From equivalent EP0437757A2]

Die Erfindung betrifft eine Vorrichtung zum Überwachen eines Korridors nach dem Oberbegriff des Anspruchs 1.

Other Abstract  
Info:



THOMSON



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